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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/988,019

DATE: 11/23/2001
TIME: 08:41:57

Input Set : N:\Crf3\RULE60\09988019.raw
Output Set: N:\CRF3\11232001\I988019.raw

SEQUENCE LISTING

ENTERED

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: SOKOL, Pamela A.
6 KOOI, Cora D.

8 (ii) TITLE OF INVENTION: CONSERVED METALLOPROTEASE EPITOPEs

10 (iii) NUMBER OF SEQUENCES: 29

12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP
14 (B) STREET: P.O. Box 1404
15 (C) CITY: Alexandria
16 (D) STATE: Virginia
17 (E) COUNTRY: USA
18 (F) ZIP: 22313-1404

20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: Floppy disk
22 (B) COMPUTER: IBM PC compatible
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER: US/09/988,019
28 (B) FILING DATE: 16-Nov-2001
29 (C) CLASSIFICATION:

C--> 31 (vii) PRIOR APPLICATION DATA:
32 (A) APPLICATION NUMBER: US 08/772,282
33 (B) FILING DATE: 20-DEC-1996

35 (viii) ATTORNEY/AGENT INFORMATION:
36 (A) NAME: STANEK REA, Teresa
37 (B) REGISTRATION NUMBER: 30,427
38 (C) REFERENCE/DOCKET NUMBER: 024916-005

40 (ix) TELECOMMUNICATION INFORMATION:
41 (A) TELEPHONE: (703) 836-6620
42 (B) TELEFAX: (703) 836-2021

45 (2) INFORMATION FOR SEQ ID NO: 1:
47 (i) SEQUENCE CHARACTERISTICS:
48 (A) LENGTH: 25 amino acids
49 (B) TYPE: amino acid
50 (C) STRANDEDNESS: single
51 (D) TOPOLOGY: linear

53 (ii) MOLECULE TYPE: peptide

58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
60 Val Ser His Gly Phe Thr Glu Gln Asn Ser Gly Leu Ile Tyr Arg Gly
61 1 5 10 15
63 Gln Ser Gly Gly Met Asn Glu Ala Phe
64 20 25

66 (2) INFORMATION FOR SEQ ID NO: 2:
68 (i) SEQUENCE CHARACTERISTICS:
69 (A) LENGTH: 9 amino acids

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70 (B) TYPE: amino acid
71 (C) STRANDEDNESS: single
72 (D) TOPOLOGY: linear
74 (ii) MOLECULE TYPE: peptide
79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
81 Val Ser His Gly Phe Thr Glu Gln Asn
82 1 5
84 (2) INFORMATION FOR SEQ ID NO: 3:
86 (i) SEQUENCE CHARACTERISTICS:
87 (A) LENGTH: 9 amino acids
88 (B) TYPE: amino acid
89 (C) STRANDEDNESS: single
90 (D) TOPOLOGY: linear
92 (ii) MOLECULE TYPE: peptide
97 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
99 His Gly Phe Thr Glu Gln Asn Ser Gly
100 1 5
102 (2) INFORMATION FOR SEQ ID NO: 4:
104 (i) SEQUENCE CHARACTERISTICS:
105 (A) LENGTH: 9 amino acids
106 (B) TYPE: amino acid
107 (C) STRANDEDNESS: single
108 (D) TOPOLOGY: linear
110 (ii) MOLECULE TYPE: peptide
115 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
117 Phe Thr Glu Gln Asn Ser Gly Leu Ile
118 1 5
120 (2) INFORMATION FOR SEQ ID NO: 5:
122 (i) SEQUENCE CHARACTERISTICS:
123 (A) LENGTH: 9 amino acids
124 (B) TYPE: amino acid
125 (C) STRANDEDNESS: single
126 (D) TOPOLOGY: linear
128 (ii) MOLECULE TYPE: peptide
133 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
135 Glu Gln Asn Ser Gly Leu Ile Tyr Arg
136 1 5
138 (2) INFORMATION FOR SEQ ID NO: 6:
140 (i) SEQUENCE CHARACTERISTICS:
141 (A) LENGTH: 9 amino acids
142 (B) TYPE: amino acid
143 (C) STRANDEDNESS: single
144 (D) TOPOLOGY: linear
146 (ii) MOLECULE TYPE: peptide
151 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
153 Asn Ser Gly Leu Ile Tyr Arg Gly Gln
154 1 5
156 (2) INFORMATION FOR SEQ ID NO: 7:
158 (i) SEQUENCE CHARACTERISTICS:

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159 (A) LENGTH: 9 amino acids
 160 (B) TYPE: amino acid
 161 (C) STRANDEDNESS: single
 162 (D) TOPOLOGY: linear
 164 (ii) MOLECULE TYPE: peptide
 169 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 171 Gly Leu Ile Tyr Arg Gly Gln Ser Gly
 172 1 5
 174 (2) INFORMATION FOR SEQ ID NO: 8:
 176 (i) SEQUENCE CHARACTERISTICS:
 177 (A) LENGTH: 9 amino acids
 178 (B) TYPE: amino acid
 179 (C) STRANDEDNESS: single
 180 (D) TOPOLOGY: linear
 182 (ii) MOLECULE TYPE: peptide
 187 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
 189 Ile Tyr Arg Gly Gln Ser Gly Gly Met
 190 1 5
 192 (2) INFORMATION FOR SEQ ID NO: 9:
 194 (i) SEQUENCE CHARACTERISTICS:
 195 (A) LENGTH: 9 amino acids
 196 (B) TYPE: amino acid
 197 (C) STRANDEDNESS: single
 198 (D) TOPOLOGY: linear
 200 (ii) MOLECULE TYPE: peptide
 205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
 207 Arg Gly Gln Ser Gly Gly Met Asn Glu
 208 1 5
 210 (2) INFORMATION FOR SEQ ID NO: 10:
 212 (i) SEQUENCE CHARACTERISTICS:
 213 (A) LENGTH: 9 amino acids
 214 (B) TYPE: amino acid
 215 (C) STRANDEDNESS: single
 216 (D) TOPOLOGY: linear
 218 (ii) MOLECULE TYPE: peptide
 223 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
 225 Gln Ser Gly Gly Met Asn Glu Ala Phe
 226 1 5
 228 (2) INFORMATION FOR SEQ ID NO: 11:
 230 (i) SEQUENCE CHARACTERISTICS:
 231 (A) LENGTH: 19 amino acids
 232 (B) TYPE: amino acid
 233 (C) STRANDEDNESS: single
 234 (D) TOPOLOGY: linear
 236 (ii) MOLECULE TYPE: peptide
 241 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
 243 Ser Gly Ala Leu Arg Tyr Met Asp Gln Pro Ser Arg Asp Gly Arg Ser
 244 1 5 10 15
 246 Ile Asp Met

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249 (2) INFORMATION FOR SEQ ID NO: 12:
251 (i) SEQUENCE CHARACTERISTICS:
252 (A) LENGTH: 9 amino acids
253 (B) TYPE: amino acid
254 (C) STRANDEDNESS: single
255 (D) TOPOLOGY: linear
257 (ii) MOLECULE TYPE: peptide
262 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
264 Ser Gly Ala Leu Arg Tyr Met Asp Gln
265 1 5
267 (2) INFORMATION FOR SEQ ID NO: 13:
269 (i) SEQUENCE CHARACTERISTICS:
270 (A) LENGTH: 9 amino acids
271 (B) TYPE: amino acid
272 (C) STRANDEDNESS: single
273 (D) TOPOLOGY: linear
275 (ii) MOLECULE TYPE: peptide
280 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
282 Ala Leu Arg Tyr Met Asp Gln Pro Ser
283 1 5
285 (2) INFORMATION FOR SEQ ID NO: 14:
287 (i) SEQUENCE CHARACTERISTICS:
288 (A) LENGTH: 9 amino acids
289 (B) TYPE: amino acid
290 (C) STRANDEDNESS: single
291 (D) TOPOLOGY: linear
293 (ii) MOLECULE TYPE: peptide
298 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
300 Arg Tyr Met Asp Gln Pro Ser Arg Asp
301 1 5
303 (2) INFORMATION FOR SEQ ID NO: 15:
305 (i) SEQUENCE CHARACTERISTICS:
306 (A) LENGTH: 9 amino acids
307 (B) TYPE: amino acid
308 (C) STRANDEDNESS: single
309 (D) TOPOLOGY: linear
311 (ii) MOLECULE TYPE: peptide
316 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
318 Met Asp Gln Pro Ser Arg Asp Gly Arg
319 1 5
321 (2) INFORMATION FOR SEQ ID NO: 16:
323 (i) SEQUENCE CHARACTERISTICS:
324 (A) LENGTH: 9 amino acids
325 (B) TYPE: amino acid
326 (C) STRANDEDNESS: single
327 (D) TOPOLOGY: linear
329 (ii) MOLECULE TYPE: peptide
334 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
336 Gln Pro Ser Arg Asp Gly Arg Ser Ile

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337 1 5
339 (2) INFORMATION FOR SEQ ID NO: 17:
341 (i) SEQUENCE CHARACTERISTICS:
342 (A) LENGTH: 9 amino acids
343 (B) TYPE: amino acid
344 (C) STRANDEDNESS: single
345 (D) TOPOLOGY: linear
347 (ii) MOLECULE TYPE: peptide
352 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
354 Ser Arg Asp Gly Arg Ser Ile Asp Met
355 1 5
357 (2) INFORMATION FOR SEQ ID NO: 18:
359 (i) SEQUENCE CHARACTERISTICS:
360 (A) LENGTH: 9 amino acids
361 (B) TYPE: amino acid
362 (C) STRANDEDNESS: single
363 (D) TOPOLOGY: linear
365 (ii) MOLECULE TYPE: peptide
370 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
372 Asp Gly Thr Ala Met Leu Phe Gly Asp
373 1 5
375 (2) INFORMATION FOR SEQ ID NO: 19:
377 (i) SEQUENCE CHARACTERISTICS:
378 (A) LENGTH: 9 amino acids
379 (B) TYPE: amino acid
380 (C) STRANDEDNESS: single
381 (D) TOPOLOGY: linear
383 (ii) MOLECULE TYPE: peptide
388 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
390 Tyr Leu Leu Ala Asn Ser Pro Gly Trp
391 1 5
393 (2) INFORMATION FOR SEQ ID NO: 20:
395 (i) SEQUENCE CHARACTERISTICS:
396 (A) LENGTH: 9 amino acids
397 (B) TYPE: amino acid
398 (C) STRANDEDNESS: single
399 (D) TOPOLOGY: linear
401 (ii) MOLECULE TYPE: peptide
406 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
408 Arg Tyr Phe Asp Gln Pro Ser Arg Asp
409 1 5
411 (2) INFORMATION FOR SEQ ID NO: 21:
413 (i) SEQUENCE CHARACTERISTICS:
414 (A) LENGTH: 9 amino acids
415 (B) TYPE: amino acid
416 (C) STRANDEDNESS: single
417 (D) TOPOLOGY: linear
419 (ii) MOLECULE TYPE: peptide
424 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/988,019

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TIME: 08:41:58

Input Set : N:\Crf3\RULE60\09988019.raw
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L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:31 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]